

09/073504

ABSTRACT

The man-hour required to develop a vehicle control program is reduced. A program generator (1) automatically generates a vehicle C code from control specifications inputted in the form of a data flowchart and in the form of a state flow chart. The vehicle C code is downloaded in a vehicle ECU (2). The control of a controlled system, which is a vehicle model device (3), by the vehicle ECU (2) is monitored by the program generator (1) and debugging is performed. Since the vehicle C code automatically generated from control specifications is used, the debugging is easy and reliable. Manual coding is obviated. Integer information is added to a symbol block of a data flowchart, and therefore a vehicle C code of integer logic can be automatically generated using the integer information.